

[PDF] Improving restart of idle TCP connections

V Venkateswaranah, J Heidemann - 1997 - Citeseer

... 7 Conclusions This paper has described rate-based pacing, a new approach to restart mid-stream data transfer that is congestion sensitive and not unnecessarily slow. ... Rate-based pacing will improve performance for this kind of traffic. ... Hypertext transfer protocol—HTTP/1.1. ...

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[PDF] A model based TCP-friendly rate control protocol

J Padhye, J Kurose, D Towsley, R Koedinger - Proceedings of NOSSDAV'99, 1999 - Citeseer

... with the mechanisms that provide reliable delivery, an appropriate combination for non-real time reliable data transfer, but inappropriate ... Each data point is an average of three experiments. ... while at the same time it must be large enough to allow the loss rate measurements to ...

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psu.edu [PDF]

An ultrafast network for communication of radiologic images

BK Stewart, ST Lou, WK Wong, HK ... - American Journal of ..., 1991 - Am Roentgen Ray Soc

... Mean transmission rate for UltraNet was measured both through hub (total) and for initial client-server pair (A to B, process 1) as other, ... UltraNet data were measured for transfer of 32 megarbytes by using TSOCK software and a 256-kilobyte buffer size. ...

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aironline.org [

Understanding TCP's behavior over wireless links

F Lefevre, G Vlachos - Symposium on Communications and ..., 2000 - ieeeexplore.ieee.org

... takes less than 2 minutes which is acceptable but for higher error rates the file transfer can be ... really addressing the problems of time variation of the channel and of high error rate links. ... When the base station receives data segments from the sender, it maintains an array with the ...

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The design and implementation of a continuous media storage server

P Lougheed, D Shepherd - Network and Operating System Support for ..., 1993 - Springer

... Conventional file servers are purely demand driven, and all data transfer must be explicitly requested by ... In this case the stream will have a request rate smaller than ~ seconds, and it will ... and processed by each MNI unit independently of the host, without data being streamed ...

Cited by 46 - Related articles - Bl. Direct - All 3 versions

The macroscopic behavior of the TCP congestion avoidance algorithm

M Mathis, J Semke, J Mahdavi, T Ott - ACM SIGCOMM Computer ..., 1997 - portal.acm.org

... The network was simulated for various combinations of delay, MSS, and packet loss. ... average window size 6. We plot p on the X axis, with the loss rate increasing to ... To provide a common reference for comparing data between experiments, we plot the line corresponding to the ...

Cited by 1283 - Related articles - Bl. Direct - All 38 versions

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Flow control in the high-speed Thunder and Lightning ATM network

MD Sanfor, PM Melliar-Smith, LE Moser - Computer Communications, 2000 - Elsevier

... network becomes a dominant component of the total time required to transfer data through the ... At the same time, cell loss in data connections becomes costly because cell delivery is ... to begin transmission immediately after notifying the network of its intended rate of transmission. ...

Cited by 9 - Related articles - All 5 versions

On the effective evaluation of TCP

M Alman, A Falk - ACM SIGCOMM Computer Communication ..., 1999 - portal.acm.org

... Here we note that the standard TCP header [Pos81] limits the advertised window size (generally derived from the receiver socket buffer size) to ... any faster than X bits/second, even if some of the n remote sites are better connected and could transfer data at a higher rate if/-/o's ...

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A simulation study of TCP performance in ATM networks

C Fang, H Chen, J Hutchins - ... San Francisco, CA (United States), 27 Nov. ..., 1994 - osti.gov

... Asynchronous Transfer Mode (ATM) [16] has receiver to hold the cell. Credit-based per VC

flow control ... "Best-Effort", or available-bit-rate (ABR) service, the resource ... The TCP module in NetSim is Credits are piggybacked onto either a data cell or a null cell ...
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[PDF] [The impact of data transfer and buffering alternatives on network interface design](#) [psu.edu \[PDF\]](#)
SS Mukherjee, MD Hill - ... of the Fourth International Symposium on High- ... 1998 - Citeseer
... Buffering smooths out these rates and helps create a balanced system. ... NIs that involve the processor to manage data transfer between the NI and the processor have higher processor occupancy compared to the NIs that use NI-managed data transfers. Page 6. 6 ...
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